

AMENDMENTS TO THE CLAIMS

Please amend the claims as set forth below in marked-up form.

1. (Currently amended) A device for instant manufacture of customized paint, which comprises a container housing-(1) at least two cans-(2) for holding the ingredients useful for preparing the paint, each can being provided with an opening through which the cans are interconnected by means of a first pipe-(3), the first pipe-(3) being provided with valves-(4) which operate on electronic signals for adjusting the flow of the said ingredients from the said cans-(2), the a second pipe-(5) being connected to a pump-(6) for pumping the said ingredients from the said cans (2) into the a paint container-(7), the pump-(6) being provided with a variable frequency drive (VFD)-(8) for varying the flow rate of the quantities of the said ingredients from the said cans-(2) to the container, the paint container-(7) being removably placed on a weighing platform-(9), for weighing the paint formed in the paint container-(7), the weight being transmitted to a control system-(10) to control the variable frequency drive (VFD)-(8), pump-(6) and valve-(4), the control system-(10), comprising an embedded controller having a LCD (liquid crystal display)-(11) provided with a central processing unit-(14), the output of weighing platform-(9) being connected to the central processing unit-(14), one terminal of the central processing unit being connected to the LCD (liquid crystal display)-(11), a second terminal of the central processing unit-(14) being connected to a smart card (15), ~~the~~ a third terminal of the central processing unit interacting with the memory-(17), ~~the~~ a fourth terminal of the central processing unit being connected to the input of the digital input/output device-(16), ~~the~~ a fifth terminal of the central processing unit being connected to membrane keyboard-(12) for human interface, the output of the digital input/output device-(16) being connected to a relay board-(18), and the output of the relay board-(18) being connected to the variable frequency drive-(8) and to the valves-(4).

2. (Currently amended) A device as claimed in claim 1 wherein the container-(1) is partly closed and is provided with doors at appropriate places.

3. (Currently amended) A device as claimed in claim 2 wherein the bottom of the container (1) is provided with rollers-(13) to facilitate easy installation of the cans inside the container.

4. (Currently amended) A device as claimed in claim 3 wherein the device contains three cans ~~(2)~~ for holding the ingredients, each can ~~(2)~~ ~~[[,]]~~ containing the following ingredients (i) filler base (ii) TiO₂ base and (iii) emulsion base.

5. (Currently amended) A device as claimed in claim 4 wherein the filler base ~~such as blends~~ comprises a blend of extenders, the extenders comprising one or more of like talc, china clay, or calcite, etc. is used.

6. (Currently amended) A device as claimed in claim 4 wherein the TiO₂ base comprises ~~such as rutile titanium dioxide is used.~~

7. (Currently amended) A device as claimed in claim 4 wherein the emulsion base, ~~such as~~ comprises a high binding acrylic emulsion polymer along with rheological modifiers are used.

8. (Currently amended) A device as claimed in ~~claims~~ claim 1 wherein the openings in the cans ~~(2)~~ are at their top.

9. (Currently amended) A device as claimed in ~~claims~~ claim 1 wherein the ~~pipes (3) are~~ first pipe is made of PVC and the second pipe pipes (5) is made of stainless steel.

10. (Currently amended) A device as claimed in ~~claims~~ claim 1 wherein the valves provided in the ~~pipes~~ first pipe are motorized valves.

11. (Currently amended) A device as claimed in ~~claims~~ claim 1 wherein the pump used is a screw pump.

12. (Currently Amended) A device as claimed in claim 1 wherein the cans used to hold the ingredients are of suitable size, being about ~~such as~~ 50 liters, 100 liters, 150 liters, or 200 liters, ~~and the like~~ based on the appropriate use of the device at the point of sale (retailer or stockist or depot).

13. (Currently amended) A control system ~~(10)~~ for use in a device as defined in claim 1 which comprises an embedded controller having a LCD (liquid crystal display) ~~(11)~~ provided with a central processing unit ~~(14)~~ the output of weighing platform ~~(9)~~ being connected to the central processing unit ~~(14)~~ one terminal of the central processing unit being connected to the LCD (liquid crystal display) ~~(11)~~, second terminal of the central processing unit ~~(14)~~ being connected to a smart card ~~(15)~~, the third terminal of the central processing unit interacting with the memory ~~(17)~~, the fourth terminal of the central processing unit being connected to the input of the digital input / output device ~~(16)~~, the fifth terminal of the central processing unit being connected to membrane keyboard ~~(12)~~ for human interface, the output of the digital input/output device ~~(16)~~ being connected to a relay board ~~(18)~~ and the output of the relay board ~~(18)~~ being connected to the variable frequency drive ~~(8)~~, and to the valves ~~(4)~~.

14. (Currently Amended) A control system for use in a device as claimed in claim 1 wherein the display device is ~~an~~ a LCD (liquid crystal display) with 256 color and a resolution of 640 x 480 TFT LCD pixels.

15. (Previously presented) A control system as claimed in claim 13 wherein the keyboard interface used is a dust and water-resistant membrane keypad.